

ABSTRACT

A circuit for measuring distances and which has comprising at least two inputs (1, 2), at least one measuring coil (3), and at least one signal source, wherein at least two input signals (e_{pos} , e_{neg}) are generated by means of the signal source, and the inputs (1, 2) are activatable by means of the input signals (e_{pos} , e_{neg}). The input signals (e_{pos} , e_{neg}) are applied, preferably preprocessed, to the inputs of the measuring coil (3). The circuit is designed for use where little space is available for the circuit, with the input signals (e_{pos} , e_{neg}) being applied to a preferably timed SC network, which generates a measuring signal ~~and/or an~~ output signal that is dependent on temperature. A corresponding method is also described.